









~~longitudinal length, the first direction being opposite to the second direction, the deflection magnet generating a first magnetic field along its longitudinal length, wherein a second end of the confinement magnet is disposed proximate to the first end of the deflection magnet and the substrate is disposed proximate to the second end of the deflection magnet such that the substrate is axially aligned with the longitudinal bore;~~

~~———— a laser source producing a laser beam that is focused on the target to ablate the target and produce a plume having charged species and neutral species, the plume being influenced by a second magnetic field generated by the confinement magnet, the second magnetic field causing the plume to become more focused, thereby reducing the divergence thereof before the focused plume enters the longitudinal bore of the deflection magnet where the first magnetic field causes the charged species in the plume to be deflected towards the substrate on which the charged species are deposited to form the thin film; and~~

The system of claim 19, further including: means for electrostatically deflecting the charged species within the longitudinal bore of the deflection magnet.